

**What is claimed is:**

1. A cable comprising one or more electrical conductors or a core of one or more electrical conductors, each conductor or core being surrounded by a layer of insulation comprising an olefinic polymer, having a density in the range of 0.880 to 0.915 grams per cubic centimeter, a melting temperature of at least 115 degrees Celsius, a melt index in the range of 0.5 to 10 grams per 10 minutes, a crystallization-analysis-soluble fraction less than 35 weight percent, and a polydispersity index of at least 3.5.
2. The cable of Claim 1 wherein the olefinic polymer being a polyethylene.
3. The cable of Claim 1 wherein the olefinic polymer having a density in the range of 0.895 to 0.910 grams per cubic centimeter.
4. The cable of Claim 1 wherein the olefinic polymer having a density in the range of 0.900 to 0.905 grams per cubic centimeter.
5. The cable of Claim 1 wherein the olefinic polymer having a melting temperature greater than 115 degrees Celsius.
6. The cable of Claim 1 wherein the olefinic polymer having a melting temperature greater than 120 degrees Celsius.
7. The cable of Claim 1 wherein the olefinic polymer having a melt index in the range of 1 to 5 grams per 10 minutes.
8. The cable of Claim 1 wherein the olefinic polymer having a crystallization-analysis-soluble fraction less than 32 weight percent.
9. The cable of Claim 1 wherein the olefinic polymer having polydispersity index of greater than 4.0.
10. The cable of Claim 1 wherein the olefinic polymer having a heterogeneous comonomer distribution.
11. The cable of Claim 1 wherein the olefinic polymer being prepared using a Ziegler-Natta catalyst.
12. The cable of Claim 1 wherein the layer of insulation being crosslinkable.
13. The cable of Claim 1 wherein the layer of insulation being thermoplastic.
14. A cable comprising one or more electrical conductors or a core of one or more electrical conductors, each conductor or core being surrounded by a layer of insulation comprising a polyethylene, having a density in the range of 0.900 to 0.905 grams per cubic centimeter, a melting temperature of greater than 120 degrees Celsius, a melt index in the range of 1 to 5 grams per 10 minutes, a crystallization-

analysis-soluble fraction less than 35 weight percent, and a polydispersity index of greater than 4.0.

15. A cable comprising one or more electrical conductors or a core of one or more electrical conductors, each conductor or core being surrounded by a layer of insulation, having 1% secant flexural modulus at ambient of less than 15,000 psi and a dynamic elastic modulus at 150 degrees Celsius of at least  $4 \times 10^7$  dyne/square centimeter.

16. The cable of Claim 15 wherein the layer of insulation, having 1% secant flexural modulus at ambient of less than 10,000 psi.

17. The cable of Claim 15 wherein the layer of insulation, having a dynamic elastic modulus at 150 degrees Celsius of at least  $5 \times 10^7$  dyne/square centimeter.

18. The cable of Claim 15 wherein the layer of insulation, having 1% secant flexural modulus at ambient of less than 10,000 psi and a dynamic elastic modulus at 150 degrees Celsius of at least  $5 \times 10^7$  dyne/square centimeter.